

ABSTRACT

A system and method provides a realistic architecture and specifies the protocols that are necessary for carrying out adaptive and efficient protection, thereby allowing applications to dynamically switch between different protection strategies. Protection is uniquely achieved by providing the protection track (206, 208, 210) as a separate stream from the media data stream (202, 204). In this manner, changing the protection data can change the protection level or strategy, but the protection procedures remain the same. Further, the method uses Real-time Transport protocol (RTSP) instead of Internet Group Management protocol (IGMP) which can achieve faster protection and provide more flexibility to applications.